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## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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| <b>(51) International Patent Classification <sup>7</sup> :</b><br><b>C11D 3/37, 3/36</b>   |  | <b>A1</b> | <b>(11) International Publication Number:</b><br><b>WO 00/26331</b>  |
|  |  |           | <b>(43) International Publication Date:</b><br>11 May 2000 (11.05.00)  |
| <b>(21) International Application Number:</b> PCT/US99/24941<br><b>(22) International Filing Date:</b> 22 October 1999 (22.10.99)<br><br><b>(30) Priority Data:</b><br>60/106,759 2 November 1998 (02.11.98) US<br>60/110,310 30 November 1998 (30.11.98) US<br><br><b>(71) Applicant (for all designated States except US):</b> THE PROCTER & GAMBLE COMPANY [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US).<br><br><b>(72) Inventors; and</b><br><b>(75) Inventors/Applicants (for US only):</b> CAUWBERGHS, Serge, Gabriel, Pierre, Roger [BE/BE]; Nieuwkerkenstraat 151, B-9100 Nieuwkerken (BE). CEULEMANS, Raphael, Angeline, Alfons [BE/BE]; Kortrijkstraat 134, B-3210 Lubbeek (BE). GORDON, Neil, James [BE/BE]; 107A Van Elewycstraat, B-1853 Strombeek-Bever (BE).<br><br><b>(74) Agents:</b> REED, T., David et al.; The Procter & Gamble Company, 5299 Spring Grove Avenue, Cincinnati, OH 45217-1087 (US). |  |           | <b>(81) Designated States:</b> AE, AL, AM, AT, AT (Utility model), AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, CZ (Utility model), DE, DE (Utility model), DK, DK (Utility model), DM, EE, EE (Utility model), ES, FI, FI (Utility model), GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK (Utility model), SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).<br><br><b>Published</b><br><i>With international search report.</i><br><i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i> |
| <b>(54) Title:</b> FABRIC CARE COMPOSITIONS HAVING REDUCED FABRIC ABRASION   |  |           |  |
| <b>(57) Abstract</b><br><br>The present invention relates to fabric enhancement compositions which provide reduced fabric abrasion damage. The compositions of the present invention comprise: a) one or more fabric abrasion polymers, said polymers comprising the following units: i) at least one monomeric unit comprising an amide moiety; ii) at least one monomeric unit comprising an N-oxide moiety; or iii) a polymer which contains at least one monomeric unit comprising an amide moiety and at least one monomeric unit comprising an N-oxide moiety; and b) the balance carriers and fabric conditioning or fabric enhancement ingredients.  |  |           |  |